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PQC : 051033 / 9 (Opened)

Program Name	GMT265 Ignition Switch
Customer	DELPHI T

Open	17 Feb 2006	Detection Origin	Internal
Closed		Test Report ID	C006-008
Duration	136 d		

	Originator	Responsible	Resolver	Validator
Name	Jorge Morales	George Lam	John Coniff	David Kozerski
Location	Matamoros Tamps	Downersgrove, IL	Downersgrove, IL	Downersgrove, IL
Phone				

Problem Description	Root Cause / Proposal Solutions
<p>Update: 3/17/06:</p> <p>Removing Detent Loss issue found in DUT# 32 Sample from DG cycling samples.</p> <p>Issue to be considered on a separate PQC.</p> <p>Date: 2/17/06</p> <p>Lab Job: C006-008.</p> <p>Post 1x Life cycling.</p> <p>Devices: DUT# 23 Group 1 Condura</p> <p>During Post Parametric Measurements, device presented the following issue on Function Check at 85C:</p> <p>Position detents on device are not detected during manual actuation (Detent Loss).</p> <p>Rattling condition is present on the switch.</p> <p>Device is electrically functional.</p>	<p>The Catera detent plunger was used in this switch. The assembly has more spring force than the Delta plunger assembly used in the beginning of the program. This change was requested by the customer because of complaints from some test drivers turning the car off with their knees when driving competitively. Because of the extra force, the wall of the plunger barrel in the housing broke allowing the plunger assembly to move out of place. A flange was added to the wall for support.</p>
Corrective Action (07 Apr 2006)	Preventive Action
Added a flange on the wall to support the	

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added force	
	Verification of Effectiveness
	The switches are being retested with the flange molded in the housing.

Topic(s)	Severity	Medium
• Design • Noise / Geräusche	Test Type	Temp / Humidity Soak
	Failure Type	Other
	Root Cause Category	Mechanical
	Root Cause	Other
	Prog./Test. Stage	P.V. (Product Validation)